

032904
032909 U.S. PTOUTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	AMKOR-022CB1
First Inventor	Sean T. Crowley
Title	Thin Integrated Circuit Device Packages...
Express Mail Label No.	EV388979251US

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 15]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Sheets]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
name in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ Paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(b) Statement ☒ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO 1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the
specification following the title, or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 10/667,759.....Prior application information: Examiner Unknown Art Unit: 2811
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box
5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number: 007663 OR ☐ Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	<u>Mark B. Garred</u>	Registration No. (Attorney/Agent)	<u>34,823</u>
Signature	<u>[Signature]</u>	Date	<u>3/29/07</u>

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the
USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete,
including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments
on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent
and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS
ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**NONPUBLICATION REQUEST
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Sean T. Crowley	
Title	Thin Integrated Circuit Device Packages...	
Atty Docket Number	AMKOR-022CB1	

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

3/29/04

Date



Signature

Mark B. Garred

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**



05909

032904

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004 <i>Effective 10/01/2003. Patent fees are subject to annual revision.</i>		Complete if Known	
		Application Number	Unknown
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	Herewith
		First Named Inventor	Sean T. Crowley
		Examiner Name	Unknown
TOTAL AMOUNT OF PAYMENT (\$)		Art Unit	Unknown
		Attorney Docket No.	AMKOR-022CB1

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																																									
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account: Deposit Account Number: 19-4330 Deposit Account Name: Stetina Brunda Garred & Brucker The Director is authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		3. ADDITIONAL FEES <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr><tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr><tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr><tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr><tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing brief in support of an appeal</td><td></td></tr><tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr><tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr><tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr><tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr><tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr><tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="2">Other fee (specify)</td><td colspan="2">*Reduced by Basic Filing Fee Paid</td><td colspan="2">SUBTOTAL (3) (\$) 40.00</td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify)		*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$) 40.00	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																							
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																							
1053	130	1053	130	Non-English specification																																																																																																																																																																																							
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																							
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																							
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																							
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																							
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																							
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																							
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																							
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																							
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																							
1402	330	2402	165	Filing brief in support of an appeal																																																																																																																																																																																							
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																							
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																							
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																							
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																							
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																							
1502	480	2502	240	Design issue fee																																																																																																																																																																																							
1503	640	2503	320	Plant issue fee																																																																																																																																																																																							
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																							
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																							
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																							
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																						
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																							
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																							
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																							
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																							
Other fee (specify)		*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$) 40.00																																																																																																																																																																																							
1. BASIC FILING FEE <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770.00</td></tr><tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr><tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr><tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr><tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1) (\$)</td><td>770.00</td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee	770.00	1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	160	2005	80	Provisional filing fee		SUBTOTAL (1) (\$)					770.00	2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5">SUBTOTAL (2) (\$)</td><td></td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20		1201	86	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple dependent claim, if not paid		1204	86	2204	43	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$)																																																																																																	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
1001	770	2001	385	Utility filing fee	770.00																																																																																																																																																																																						
1002	340	2002	170	Design filing fee																																																																																																																																																																																							
1003	530	2003	265	Plant filing fee																																																																																																																																																																																							
1004	770	2004	385	Reissue filing fee																																																																																																																																																																																							
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																							
SUBTOTAL (1) (\$)					770.00																																																																																																																																																																																						
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																							
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																																							
1203	290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																																							
1204	86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																																							
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																							
SUBTOTAL (2) (\$)																																																																																																																																																																																											

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Mark B. Garred	Registration No. (Attorney/Agent)	34,823
Signature		Telephone	(949) 855-1246
		Date	3/29/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ATTORNEY DOCKET NO: AMKOR-022CB1
TITLE: THIN INTEGRATED CIRCUIT DEVICE PACKAGES FOR IMPROVED
RADIO FREQUENCY PERFORMANCE

Certificate of Mailing under 37 CFR 1.8 or 37 CFR 1.10

☒ I hereby certify that this correspondence is being deposited with the
United States Postal Service "Express Mail Post Office to Addressee"
service under 37 CFR 1.10, Express Mail No. EV388979251US
addressed to:

Mail Stop PAT. APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on March 29, 2004


(Signature)

Andrea K. Levine
(Typed name of person signing certificate)

Note: Each paper must have its own certificate of mailing, or this
certificate must identify each submitted paper.

1. Certificate of Mailing;
2. Transmittal;
3. Fee Transmittal (in duplicate);
4. Specification (15 pages);
5. Drawings (3 pages);
6. Declaration (4 pages);
7. Assignment Recordation Cover Sheet;
8. Assignment (5 pages);
9. Power of Attorney;
10. Statement Under 37 CFR;
11. Nonpublication Request;
12. A Check for \$810.00; and
13. Return Receipt Postcard